

**Treatment & Recovery Services**

**RECEIVED**

**OCT 24 1994**

**RCOM SECTION**

October 21, 1994

Lyndell Harrington, Chief  
RCRA Branch  
U.S. Environmental Protection Agency, Region VII  
726 Minnesota Avenue  
Kansas City, Kansas 66101

Dear Mr. Harrington

On October 13, 1994 Ms. Dedriel Newsome of your office conducted a facility inspection at the Hydrocarbon Recyclers, Inc. facility (EPA ID No. KSD007246846) in Wichita (HRIW). A Notice of Violation was issued alleging seven (7) violations of Subtitle C of RCRA and regulations promulgated pursuant to it. This letter provides HRIW's response, in accordance with the provisions of that notice. Responses are prepared in the order presented in the notice.

1. 40 CFR 268.50(a)(2)(i) Containers not marked with accumulation start date.

Response: The containers identified during the inspection were marked with their respective dates of receipt (accumulation start dates at HRIW) on October 13.

The containers in question all contained materials consolidated from several drums. HRIW's procedure is to use the accumulation date of the earliest received material included in consolidated lots of material. This date is transferred to the new container or lot as the material is consolidated. Operations personnel will be retrained in this procedure by October 31, 1994.

2. 40 CFR 265.15(b) Written inspection schedule does not include all emergency equipment.

Response: The regulation cited refers to "...all monitoring equipment, safety and emergency equipment, security devices"..."that are important to preventing, detecting, or responding to environmental or human health hazards." The list and location of emergency equipment determined to be important to emergency response at HRIW is established in the facility RCRA Permit Application, and this

Hydrocarbon Recyclers, Inc. of Wichita  
2549 North New York  
Wichita, Kansas 67219

Tel: 316/268-7500  
Fax: 316/268-7555

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Our Mission:

Provide the highest quality waste and by-product management services that consistently meet or exceed customer needs and regulatory requirements at competitive cost while enhancing shareholder value.



equipment is included in the Inspection Logs and Schedule, which are also part of the Permit. This equipment is maintained, inspected, and ready for service as required.

Supplemental or back-up equipment is also stored on site, and may be utilized as needed. These supplies and equipment cannot be listed in the Permit or the Inspection Schedule, as their quantity and location changes and every change would then necessitate a modification of the permit itself.

3. 40 CFR 265.195.16(a)(1) Tanks overflow/spill control equipment not inspected daily to ensure in good working order.

Response: HRIW's practice is to test the electronic circuitry of the tanks High Level Alarm System daily, and to manually check the mechanical elements monthly. These items are listed in the Inspection Schedule and Logs to be performed weekly and quarterly, respectively. HRIW agrees that the regulation can be interpreted to require that this system be inspected, and the inspections recorded, daily.

The Inspection Schedule and Logs will be modified to indicate the daily test of the high level alarm circuitry. Because the Permit Application is in the final stage of approval, this modification in the documentation and forms will take place as a formal modification after the Permit has been granted. Until that modification is complete, faults discovered during the daily inspection of the high level detection system will be recorded on the Tank Inspection pages of the Daily Inspection Log.

4. 40 CFR 265.16 (d)(1) & (4) Training list not current and no documentation for Mike Ruiz and Richard Shouse receiving hazardous waste training during 1993.

Response: The list of job titles, and a current list of employees filling those positions, was presented to the inspector during the inspection. An updated list of employees and their job titles will be compiled monthly, and included in the Training Program file.

HRI would note that the employees did, in fact, receive the training required for 1993. Documentation of Mike Ruiz and Richard Shouse's RCRA refresher training in 1993 will be obtained and entered in their Personnel Training files.

5. 40 CFR 265.52 (e) Not all equipment in Building as stated in Contingency Plan.

Response: Buildings I and J were referenced as the areas of this concern during the inspection. The safety equipment identified was: shovels; oil absorbent; and Organic Vapor Masks, SCBA. Spill kits, including a pallet, salvage drum, shovel, broom, and oil absorbent were placed in these areas on October 13. SCBAs were placed at the south walls of Buildings I and J on October 20. Because of the scale required in Figure H.1 "Emergency Equipment/Evacuation Routes," the location of equipment indicated by the legend can only be generally indicated. Equipment will be found at or near the location identified on the map.

A general review of the emergency equipment described in the Contingency/Emergency plan will be completed by October 31. As a result of this review, the locations of some equipment will be changed in the Contingency/Emergency Plan where the safety or effectiveness of their use can be improved.

6. 40 CFR 268.7 (a) LDR hazardous constituents in F039 not determined for D002 waste.

Response: Facility personnel who are responsible for the preparation of Land Disposal Restriction Notifications and Certifications will receive additional training specific to these issues by October 31, 1994.

7. 40 CFR 265.1050 (c) and 265.1064 (g)(1) All equipment applicable to Subpart BB not marked and update list of equipment subject to Subpart BB.

Response: The equipment (valves, flanges, and connections) identified as not marked during the inspection were marked on October 18. A review of equipment subject to this rule is being made, and permanent markings will be verified for all subject equipment by October 31, 1994.

The second citation, 40 CFR 265.1064 (g)(1), requires that "(a) list of identification numbers for equipment (except welded fittings) subject to the requirements of this subpart"... "shall be recorded in a log that is kept in the facility operating record". This list is maintained in Section N of the Permit Application, as part of the operating record. It is reviewed, and updated as necessary,

during the annual monitoring event. The list reviewed by the inspector on October 13 was used in the initial survey and monitoring, and has not been updated. Please see the current list in Attachment A to this response.

Thank you for an opportunity to respond to your notice. We diligently seek to comply with the regulations as written, and to come to agreement with the regulatory agencies regarding those concerns and regulations which are subject to interpretation, in order to achieve the best possible protection of human health and the environment.

Should you have any questions about this response please feel free to contact me or Ron Robertson of my staff at (316) 268-7500.

Sincerely

A handwritten signature in cursive script that reads "Stephen M Keiter".

Stephen Keiter  
HRIW Facility Manager

cc: Steve Broslavick - KDHE  
Ron Robertson - HRIW, w/o att.  
Bill Vore - USPCI, w/o att.



**ATTACHMENT A**

**RCRA Permit Application, Appendix N-D**

**Lists of equipment subject to Subpart BB**

Hydrocarbon Recyclers, Inc. of Wichita  
RCRA Permit Application  
Section N  
Air Emissions (40 CFR 264 Subparts AA and BB)  
Appendix D - Equipment Lists

#### Appendix N-D - Equipment Lists

Appendix N-D.1 - Piping Component Data Sheets

Appendix N-D.2 - Piping Line List

Appendix N-D.3 - Equipment Data Sheets

Appendix N-D.4 - Location of Equipment Monitoring Points

May 18, 1993  
Revision No. 5

Hydrocarbon Recyclers, Inc. of Wichita  
RCRA Permit Application  
Section N  
Air Emissions (40 CFR 264 Subparts AA and BB)  
Appendix D - Equipment Lists

Appendix N-D.1 - Piping Component Data Sheets

May 18, 1993  
Revision No. 5

## PIPING COMPONENT DATA SHEETS

For purposes of this project, piping components are identified as any device in a pipe line, where a potential "break" could occur, which would cause harmful fluids or vapors to leak into the environment. Examples of piping components are: valves, flanges, in-line instruments, fittings, nozzles, drains, etc.

### BACK GROUND TO FORM DEVELOPMENT

The "component/Equipment Data Sheet" form was developed especially for this project in response to USPCI's request for specific data as detailed in different sections of their "Request for Proposal". The primary purpose of this form is to identify, catalog and document those components which require emission test monitoring, per USPCI's interpretation of EPA regulations.

This form was submitted for review and approval with Flour Daniels's official proposal. The form was modified slightly and approved for use in its present format on 12 Nov 1990, by Mr. Dave Coker, USPCI project manager.

This set of "Piping Component Data Sheets" is arranged in "P-xxx" tag number sequence.

The form itself, which is a Lotus 1-2-3 spread sheet, was created to record data for both mechanical equipment and piping components. The form contains 5 columns. These five columns are:

1. Tag Number: This is the number of the aluminum write-on tag that is attached to a particular component. For the purpose of distinguishing pipe tags from mechanical tags, it was agreed that piping component tags would be assigned a "P" prefix and mechanical equipment tags would be given an "M" prefix. It should be noted that some tag numbers are identical except for having a different alpha character suffix. Usually the situation applies to valves where the valve stem and both flanges require testing. In this case the valve would be numbered P-001, one flange would be P-001a and the other flange would be P-001b. It is also important to note that there were some cases - for reasons of safety - when Flour Daniels personnel could not safely reach a particular component that required a tag. These cases are identified by a "U" suffix to the tag number (i.e. P-xxx U). This suffix indicates that Flour Daniel personnel were unable to attach a tag.

2. Location: The location column is used to identify the most prominent land mark or area in or near which the tagged component can be found. In most cases, the closest piece of equipment is listed.

3. Component/Equipment Name: This column will record the diameter dimension - in inches - and the name of the piping device being listed. In order to be able to group and sort on this column, the devices are listed in a standardized order, first by primary category, then by type and then by method of attachment.

4. Line/Equipment Identification Number: This column is used to identify the number of the pipe line in which the component is installed. The "Pipe Line Number" is assigned in accordance with the procedure described earlier in this manual.

5. Product or service: This column identifies the most common product that flows through a pipe line or the most common utility service the line is supporting. The only products this project is focusing on are Kiln Fuels, Chlorinated Solvents, Non-chlorinated Solvents, Waste Oil, Waste Water, and Incineration Waste Liquids.



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UNITED STATES POLLUTION CONTROL INC.  
HYDROCARBON RECYCLERS INC. - PROJECT  
PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
FD CONTRACT No. 66

TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No. ID No.	PRODUCT or SERVICE
P-001U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-002U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-003U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-004U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-005U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-006U	SOLV. ROOM	3"	FLANGE (150 #, R.F.)	C-100	CHLORIDE
P-007	TANK FARM	3"	FLANGE (150 #, R.F.)	C-100	CHLORIDE
P-008	TANK FARM	3"	FLANGE (150 #, R.F.)	C-100	CHLORIDE
P-009	TANK FARM	3"	VALVE (GATE - SCREWED)	C-100	CHLORIDE
P-010	TANK FARM	3"	HOSE CONNECTION	C-100	CHLORIDE
P-011	TANK FARM	1/2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-012	TANK FARM	2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-013	TANK FARM	2"	HOSE CONNECTION	C-100	CHLORIDE
P-014	TANK FARM	1/2"	VALVE (BALL SCREWED)	C-100	CHLORIDE
P-015	TANK FARM	3"	VALVE (GATE)	K-157	KLN FUEL
-015A	TANK FARM	3"	FLANGE (150 #)	K-157	KLN FUEL
P-015B	TANK FARM	3"	FLANGE (150 #)	K-157	KLN FUEL
PU-016	TANK FARM	3"	FLANGE (150 #, SLIP ON)	K-157	KLN FUEL
P-017	TANK FARM	3"	FLANGE (150 #, SLIP ON)	K-157	KLN FUEL
P-018	TANK FARM	3"	VALVE (GATE - SCREWED)	K-157	KLN FUEL
P-019	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-157	KLN FUEL
P-020	COND. RM	3"	VALVE (GATE - SCREWED)	C-101	CHLORIDE
P-021	COND. RM	1"	VALVE (GATE - SCREWED)	C-101	CHLORIDE
P-022	COND. RM	2"	FLANGE (300 # SCREWED)	C-101	CHLORIDE
P-023	COND. RM	2"	FLANGE (300 # SCREWED)	C-101	CHLORIDE
P-024	COND. RM	2"	VALVE (GATE - SCREWED)	C-101	CHLORIDE
P-025	COND. RM	1"	VALVE (GATE - SCREWED)	C-101	CHLORIDE
P-026	COND. RM	2"	VALVE (GATE - SCREWED)	C-101	CHLORIDE
P-027	COND. RM	3"	HOSE CONNECTION	C-101	CHLORIDE
P-028	COND. RM	3"	HOSE CONNECTION	C-101	CHLORIDE
P-029	COND. RM	1"	HOSE CONNECTION	C-101	CHLORIDE
P-030	COND. RM	1"	VALVE (GATE - SCREWED)	C-102	CHLORIDE
P-031	COND. RM	1"	ELBOW (OPEN)	C-102	CHLORIDE
P-032	COND. RM	1"	VALVE (BALL SCREWED)	C-102	CHLORIDE
P-033	COND. RM	1"	VALVE (BALL SCREWED)	C-102	CHLORIDE
P-034	COND. RM	1"	OPEN PIPE	C-102	CHLORIDE
P-035	COND. RM	2"	VALVE (GATE - SCREWED)	C-102	CHLORIDE
P-036	COND. RM	2"	HOSE CONNECTION	C-102	CHLORIDE
P-039	TANK FARM	4"	VALVE (BALL - FLANGED)	K-154	KLN FUEL
P-039A	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL
P-039B	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL
P-040U	TANK FARM	4"	FLANGE (150 #) & BLIND	K-154	KLN FUEL
P-041	TANK FARM	4"	VALVE (GATE - 150 #)	K-154	KLN FUEL
-041A	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL
P-041B	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL

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UNITED STATES POLLUTION CONTROL INC.  
 HYDROCARBON RECYCLERS INC. - PROJECT  
 PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
 FD CONTRACT No. 66

TAG No.	LOCATION	LINE	COMPONENT /	COMP.	PRODUCT
		SIZE INCH	EQUIPMENT NAME	SHTEQUIP. No. ID No.	or SERVICE
P-042	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-154	KLN FUEL
P-043	TANK FARM	4"	FLANGE (150 #) & BLIND	K-154	KLN FUEL
P-044	TANK FARM	4"	VALVE (BALL 150#)	K-154	KLN FUEL
P-044A	TANK FARM	4"	FLANGE (150 # - SLIP ON)	K-154	KLN FUEL
P-044B	TANK FARM	4"	FLANGE (150 # - SLIP ON)	K-154	KLN FUEL
P-045	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL
P-046	TANK FARM	6"	FLANGE (150 #)	K-154	KLN FUEL
P-047	TANK FARM	6"	FLANGE (150 #)	K-154	KLN FUEL
P-048	TANK FARM	6"	FLANGE (150 #)	K-154	KLN FUEL
P-049	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL

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TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No. ID No.	PRODUCT or SERVICE
P-050	TANK FARM	4"	HOSE COUPLING	K-154	KLN FUEL
P-051	TANK FARM	4"	FLANGE (150 #) & BLIND	K-154	KLN FUEL
P-052	TANK FARM	4"	VALVE (BALL 150#)	K-154	KLN FUEL
P-052A	TANK FARM	4"	FLANGE (150 # - SLIP ON)	K-154	KLN FUEL
P-052B	TANK FARM	4"	FLANGE (150 # - SLIP ON)	K-154	KLN FUEL
P-053	TANK FARM	4"	FLANGE (150 # - SLIP ON)	K-154	KLN FUEL
P-054	TANK FARM	4"	FLANGE (150 #) & BLIND	K-154	KLN FUEL
P-055	TANK FARM	4"	VALVE (BALL - 150 #)	K-154	KLN FUEL
P-055A	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL
P-055B	TANK FARM	4"	FLANGE (150 #)	K-154	KLN FUEL
P-056	TANK FARM	3"	VALVE (GATE - 150 #)	K-155	KLN FUEL
P-056A	TANK FARM	3"	FLANGE (150 #)	K-155	KLN FUEL
P-056B	TANK FARM	3"	FLANGE (150 #)	K-155	KLN FUEL
P-057	TANK FARM	3"	FLANGE (150 #)	K-155	KLN FUEL
P-058	TANK FARM	2"	PLUG (SCREWED)	K-155	KLN FUEL
P-059	TANK FARM	3"	FLANGE (150 #)	K-155	KLN FUEL
P-060	TANK FARM	3"	FLANGE (150 #)	K-155	KLN FUEL
P-061	TANK FARM	3"	VALVE (GATE-150 # SCRWD)	K-155	KLN FUEL
P-062	TANK FARM	3"	HOSE CONNECTION	K-155	KLN FUEL
P-063	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-155	KLN FUEL
P-064	TANK FARM	3"	VALVE (BALL-150 # FLNGD)	K-156	KLN FUEL
P-064A	TANK FARM	3"	FLANGE (150 #)	K-156	KLN FUEL
P-064B	TANK FARM	3"	FLANGE (150 #)	K-156	KLN FUEL
P-065	TANK FARM	3"	FLANGE (150 #)	K-156	KLN FUEL
P-066	TANK FARM	3"	FLANGE (150 #)	K-156	KLN FUEL
P-067	TANK FARM	3"	VALVE (GATE - SCREWED)	K-156	KLN FUEL
P-068	TANK FARM	3"	HOSE CONNECTION	K-156	KLN FUEL
P-069	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-156	KLN FUEL
P-070	TANK FARM	3"	HOSE CONNECTION	K-157	KLN FUEL
P-072	COND. RM	2"	VALVE (GATE - SCREWED)	C-104	CHLORIDE
P-073U	COND. RM	2"	VALVE (CHECK - SCREWED)	C-104	CHLORIDE
P-074U	SOLV. ROOM	3"	VALVE (GATE - SCREWED)	W-109	WATER
P-075U	SOLV. ROOM	3"	FLANGE (SCREWED)	W-109	WATER
P-076U	SOLV. ROOM	3"	FLANGE (RAISED FACE)	W-109	WATER
P-077U	SOLV. ROOM	3"	FLANGE (RAISED FACE)	W-109	WATER
P-079	TANK FARM	3"	FLANGE (RAISED FACE)	W-109	WATER
P-080	TANK FARM	3"	VALVE (GATE - SCREWED)	W-109	WATER
P-081	TANK FARM	1/2"	VALVE (BALL SCREWED)	W-109	WATER
P-082	TANK FARM	1/2"	OPEN PIPE	W-109	WATER
P-083	TANK FARM	3"	HOSE CONNECTION	W-109	WATER
P-085U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-111	CHLORIDE
P-086U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-110	CHLORIDE
P-087U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-110	CHLORIDE
P-088U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-115	CHLORIDE
P-089U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-114	CHLORIDE

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TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No. ID No.	PRODUCT or SERVICE
P-090U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	C-113	CHLORIDE
P-091U	SOLV. ROOM	2"	VALVE (BALL SCREWED)	N-112	NON-CHLOR
P-092	PROC AREA	2"	VALVE (BALL SCREWED)	C-115	CHLORIDE
P-093	PROC AREA	1/2"	VALVE (BALL SCREWED)	C-115	CHLORIDE
P-094	PROC AREA	2"	HOSE CONNECTION	C-115	CHLORIDE
P-095	TANK FARM	2"	VALVE (BALL SCREWED)	C-115	CHLORIDE
P-096	TANK FARM	1/2"	VALVE (BALL SCREWED)	C-115	CHLORIDE
P-097	TANK FARM	2"	HOSE CONNECTION	C-115	CHLORIDE
P-098	PROC AREA	2"	VALVE (BALL SCREWED)	C-114	CHLORIDE
P-099	PROC AREA	1/2"	VALVE (BALL SCREWED)	C-114	CHLORIDE
P-100	PROC AREA	2"	HOSE CONNECTION	C-114	CHLORIDE
P-101	TANK FARM	2"	VALVE (BALL SCREWED)	C-114	CHLORIDE
P-102	TANK FARM	1/2"	VALVE (BALL SCREWED)	C-114	CHLORIDE
P-103	TANK FARM	1/2"	DRAIN (OPEN)	C-114	CHLORIDE
P-104	TANK FARM	2"	HOSE CONNECTION	C-114	CHLORIDE
P-105	PROC AREA	2"	VALVE (BALL SCREWED)	C-113	CHLORIDE
P-106	PROC AREA	1/2"	VALVE (BALL SCREWED)	C-113	CHLORIDE
P-107	PROC AREA	2"	HOSE CONNECTION	C-113	CHLORIDE
P-108	TANK FARM	2"	VALVE (BALL SCREWED)	C-113	CHLORIDE
P-109	TANK FARM	1/2"	VALVE (BALL SCREWED)	C-113	CHLORIDE

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HYDROCARBON RECYCLERS INC. - PROJECT  
PLANT LOCATION: WICHITA

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TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No.ID No.	PRODUCT or SERVICE
P-110	TANK FARM	2"	HOSE CONNECTION	C-113	CHLORIDE
P-111	PROC AREA	2"	PLUG	N-112	NON-CHLOR
P-112	TANK FARM	2"	VALVE (BALL SCREWED)	N-112	NON-CHLOR
P-113	TANK FARM	1/2"	VALVE (BALL SCREWED)	N-112	NON-CHLOR
P-114	PROC AREA	3&2"	FLANGE (150 #)	K-153	KLN FUEL
P-115	TANK FARM	2"	HOSE CONNECTION	N-112	NON-CHLOR
P-116	PROC AREA	4"	VALVE (PLUG - 150 #)	K-152	KLN FUEL
P-116A	PROC AREA	4"	FLANGE NOZZLE (150 #)	K-152	KLN FUEL
P-116B	PROC AREA	4"	FLANGE (150 # - SLIP ON)	K-152	KLN FUEL
P-120	PROC AREA	4"	FLANGE (150 # STRAINER)	K-152	KLN FUEL
P-120A	PROC AREA	4"	FLANGE (150 # STRAINER)	K-152	KLN FUEL
P-121	PROC AREA	4"	FLANGE (150 #) PUMP NOZZ	K-152	KLN FUEL
P-122	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
P-123	PROC AREA	3"	VALVE (GATE 150# FLANGED	K-153	KLN FUEL
P-123A	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
-123B	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
P-128	PROC AREA	3"	VALVE (PLUG - 150 #)	K-153	KLN FUEL
P-128A	PROC AREA	3"	NOZZLE (150 #) VAT	K-153	KLN FUEL
P-128B	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
P-129	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
P-130U	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
P-132	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
P-133	PROC AREA	3"	FLANGE (150 #)	K-153	KLN FUEL
P-134	PROC AREA	4"	FLANGE (150 #)	K-153	KLN FUEL
P-135	PROC AREA	4"	FLANGE (150 #)	K-153	KLN FUEL
P-136	PROC AREA	4"	VALVE (BALL SCREWED)	K-153	KLN FUEL
P-137	PROC AREA	1/2"	VALVE (BALL SCREWED)	K-153	KLN FUEL
P-138	PROC AREA	4"	HOSE CONNECTION	K-153	KLN FUEL
P-139	TANK FARM	4"	VALVE (GATE - 150 #)	K-153	KLN FUEL
P-139A	TANK FARM	4"	FLANGE (150 #)	K-153	KLN FUEL
P-139B	TANK FARM	4"	FLANGE (150 #)	K-153	KLN FUEL
P-140	TANK FARM	3"	VALVE (GATE - 150 #)	K-153	KLN FUEL
P-140A	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-140B	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-141	TANK FARM	3"	VALVE (GATE - 150 #)	K-153	KLN FUEL
P-141A	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-141B	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-142	TANK FARM	3"	VALVE (GATE - 150 #)	K-153	KLN FUEL
P-142A	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-142B	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-143	TANK FARM	3"	VALVE (GATE - 150 #)	K-153	KLN FUEL
P-143A	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-143B	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
-144	TANK FARM	3"	FLANGE (150 #)	K-153	KLN FUEL
P-145	TANK FARM	3"	VALVE (GATE - 150 #)	K-153	KLN FUEL



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 UNITED STATES POLLUTION CONTROL INC.  
 HYDROCARBON RECYCLERS INC. - PROJECT  
 PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
 FD CONTRACT No. 66

TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP.		PRODUCT or SERVICE
				SHT	EQUIP. No. ID No.	
P-145A	TANK FARM	3"	FLANGE (150 #)		K-153	KLN FUEL
P-145B	TANK FARM	3"	FLANGE (150 #)		K-153	KLN FUEL
P-146	TANK FARM	3"	FLANGE (150 #)		K-153	KLN FUEL
P-147	TANK FARM	3"	FLANGE (150 #)		K-153	KLN FUEL
P-148	TANK FARM	3"	FLANGE (150 #)		K-153	KLN FUEL
P-149	TANK FARM	3"	FLANGE (150 #)		K-153	KLN FUEL
P-150	TANK FARM	3"	FLANGE (150 #)		K-153	KLN FUEL
P-151	TANK FARM	3"	VALVE (BALL SCREWED)		K-153	KLN FUEL
P-152	TANK FARM	1"	VALVE (BALL SCREWED)		K-153	KLN FUEL
P-153	TANK FARM	3"	HOSE CONNECTION		K-153	KLN FUEL
P-154	TANK FARM	1"	VALVE (CHECK - SCREWED)		K-153	KLN FUEL
P-155	TANK FARM	1"	VALVE (BALL SCREWED)		K-153	KLN FUEL
P-156	TANK FARM	4"	VALVE (BALL 150#)		K-153	KLN FUEL
P-156A	TANK FARM	4"	FLANGE (150 #)		K-153	KLN FUEL
P-156B	TANK FARM	4"	FLANGE (150 #)@ EXP.JNT.		K-153	KLN FUEL
-157	TANK FARM	4"	FLANGE (150 #)@ PUMP		K-153	KLN FUEL
-158	TANK FARM	2"	HOSE CONNECTION		C-110	CHLORIDE
P-159	TANK FARM	2"	VALVE (BALL SCREWED)		C-110	CHLORIDE
P-160	TANK FARM	1/2"	VALVE (BALL SCREWED)		C-110	CHLORIDE
P-161	TANK FARM	2"	HOSE CONNECTION		C-110	CHLORIDE

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UNITED STATES POLLUTION CONTROL INC.  
HYDROCARBON RECYCLERS INC. - PROJECT  
PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
FD CONTRACT No. 66

TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHEQUIP. No. ID No.	PRODUCT or SERVICE
P-162	TANK FARM	2"	VALVE (BALL SCREWED)	C-110	CHLORIDE
P-163	TANK FARM	1/2"	VALVE (BALL SCREWED)	C-110	CHLORIDE
P-207	TANK FARM	2"	VALVE (BALL SCREWED)	K-151	KLN FUEL
P-208	TANK FARM	2"	VALVE (BALL SCREWED)	K-151	KLN FUEL
P-209	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-151	KLN FUEL
P-210	TANK FARM	2"	HOSE CONNECTION	K-151	KLN FUEL
P-213	PROC AREA	1"	VALVE (BALL SCREWED)	K-151	KLN FUEL
P-214	TANK FARM	1/2"	VALVE (BALL SCREWED)	N-150	NON-CHLOR
P-216U	PROC AREA	1/2"	HOSE CONNECTION	N-150	NON-CHLOR
P-217U	PROC AREA	1/2"	HOSE CONNECTION	N-150	NON-CHLOR
P-218	TANK FARM	2"	VALVE (GATE - SCREWED)	N-149	NON-CHLOR
P-218A	V-14	2"	BALL VALVE	N-149	NON-CHLOR
P-219	TANK FARM	2"	BALL VALVE	N-149	NON-CHLOR
P-220	TANK FARM	3"	HOSE CONNECTION	I-130	NON-CHLOR *
P-221	TANK FARM	1/2"	VALVE (BALL SCREWED)	I-130	OIL WTR
222	TANK FARM	3"	VALVE (GATE - SCREWED)	I-130	OIL WTR
223	TANK FARM	3"	FLANGE (RAISED FACE)	I-130	OIL WTR
P-224U	TANK FARM	3"	FLANGE (RAISED FACE)	I-130	OIL WTR
P-225U	TANK FARM	3"	FLANGE (RAISED FACE)	I-130	OIL WTR
P-226	TANK FARM	2"	VALVE (BALL SCREWED)	K-148	KLN FUEL
P-227U	TANK FARM	2"	CAP (SCREWED)	K-148	KLN FUEL
P-228	TANK FARM	2"	VALVE (BALL SCREWED)	K-148	KLN FUEL
P-229	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-148	KLN FUEL
P-230	TANK FARM	2"	HOSE CONNECTION	K-148	KLN FUEL
P-231	TANK FARM	3"	VALVE (GATE - SCREWED)	I-131	OIL WTR
P-232	TANK FARM	1/2"	VALVE (BALL SCREWED)	I-131	OIL WTR
P-233	TANK FARM	3"	HOSE CONNECTION	I-131	OIL WTR
P-234	TANK FARM	3"	FLANGE (RAISED FACE)	I-131	OIL WTR
P-235	TANK FARM	2"	COUPLING	I-131	OIL WTR
P-236	TANK FARM	3"	FLANGE (RAISED FACE)	I-131	OIL WTR
P-237	TANK FARM	3"	FLANGE (RAISED FACE)	I-131	OIL WTR
P-238	TANK FARM	2"	VALVE (BALL SCREWED)	K-146	KLN FUEL
P-239	TANK FARM	2"	VALVE (BALL SCREWED)	I-147	OIL WTR
P-240U	TANK FARM	2"	CAP (SCREWED)	I-147	OIL WTR
P-241	TANK FARM	2"	VALVE (BALL SCREWED)	I-147	OIL WTR
P-242	TANK FARM	2"	HOSE CONNECTION	I-147	OIL WTR
P-243	TANK FARM	1/2"	VALVE (BALL SCREWED)	I-147	OIL WTR
P-244	TANK FARM	1/2"	DRAIN LINE (OPEN)	I-147	OIL WTR
P-246	TANK FARM	2"	HOSE CONNECTION	I-147	OIL WTR
P-247	TANK FARM	1"	VALVE (BALL SCREWED)	K-146	KLN FUEL
P-248	TANK FARM	1"	DRAIN (OPEN)	K-146	KLN FUEL
P-249	TANK FARM	2"	VALVE (BALL SCREWED)	K-146	KLN FUEL
P-250	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-146	KLN FUEL
251	TANK FARM	2"	HOSE CONNECTION	K-146	KLN FUEL
-252	TANK FARM	2"	UNION (OPEN)	-132	--

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UNITED STATES POLLUTION CONTROL INC.  
 HYDROCARBON RECYCLERS INC. - PROJECT  
 PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
 FD CONTRACT No. 66

TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No. ID No.	PRODUCT or SERVICE
P-253	TANK FARM		2" VALVE (BALL SCREWED)	-132	--
P-254	8.00		1/2" VALVE (BALL SCREWED)	-132	--
P-255	TANK FARM		2" HOSE CONNECTION	-132	--
P-256	TANK FARM		2" VALVE (BALL SCREWED)	W-109	WATER
P-257	TANK FARM		1/2" VALVE (BALL SCREWED)	W-109	WATER
P-258	TANK FARM		2" HOSE CONNECTION	W-109	WATER
P-259	TANK FARM		2" VALVE (BALL SCREWED)	C-141	WATER
P-260	TANK FARM		1/2" DRAIN (PLUGGED)	C-141	WATER
P-261	TANK FARM		2" VALVE (BALL SCREWED)	C-141	WATER
P-262	TANK FARM		2" HOSE CONNECTION	C-141	WATER
P-263	TANK FARM		2" HOSE CONNECTION	W-133	WATER
P-264	TANK FARM		1/2" VALVE (BALL SCREWED)	W-133	WATER
P-265	TANK FARM		2" VALVE (BALL SCREWED)	W-133	WATER
P-266	TANK FARM		3" VALVE (PLUG-150 # FLNGD)	W-142	WATER
P-266A	TANK FARM		3" NOZZLE (150# FLANGED)	W-142	WATER
-267	TANK FARM		3" VALVE (BALL 150#) & H.C.	W-142	WATER
-268	TANK FARM		3" VALVE (BALL-150 # FLNGD)	I-143	OIL WTR
P-268A	TANK FARM		3" FLANGE (150 #)	I-143	OIL WTR
P-269	TANK FARM		3" FLANGE (150 #) & H.C.	I-143	OIL WTR
P-270	TANK FARM		2" VALVE (BALL SCREWED)	W-133	WATER

UNITED STATES POLLUTION CONTROL INC.  
HYDROCARBON RECYCLERS INC. - PROJECT  
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TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No. ID No.	PRODUCT or SERVICE
P-271	TANK FARM	2"	VALVE (BALL SCREWED)	C-144	CHLORIDE
P-272	TANK FARM	2"	HOSE CONNECTION	C-144	CHLORIDE
P-273	TANK FARM	2"	VALVE (BALL SCREWED)	K-135	KLN FUEL
P-275	TANK FARM	2"	VALVE (BALL SCREWED)	K-134	KLN FUEL
P-277	TANK FARM	-	FLANGE (150 #)	K-145	KLN FUEL
P-278	TANK FARM	-	FLANGE (150 #)	K-145	KLN FUEL
P-279	TANK FARM	1"	VALVE (BALL SCREWED)	I-137	OIL WTR
P-294U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-295U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-296U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-297U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-298U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-299U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-300U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-301U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-302U	TANK FARM	4"	FLANGE (150 #)	V-165	VENT
P-303U	TANK FARM	2"	FLANGE (150 #)	V-165	VENT
P-304U	TANK FARM	4"	FLANGE (150 #)	V-165	VENT
P-305U	TANK FARM	6"	FLANGE (150 #)	V-165	VENT
P-307U	SOLV. ROOM	1"	VALVE (BALL SCREWED)	C-124	CHLORIDE
P-308	TANK FARM	1/2"	ELL (OPEN)	K-157	KLN FUEL
P-309U	GRIND RM	2"	FLANGE	C-101	CHLORIDE
P-313U	GRIND RM	2"	VALVE (BALL)	C-166	CHLORIDE
P-314U	GRIND RM	2"	FLANGE	C-166	CHLORIDE
P-315U	GRIND RM	2"	VALVE (BALL)	C-167	CHLORIDE
P-316U	GRIND RM	2"	FLANGE	C-167	CHLORIDE
PU-317	V-19	2"	BALL VALVE	C-170	SOLVENT
PU-318	V-19	2"	BALL VALVE	C-170	SOLVENT
PU-319	V-19	2"	BALL VALVE	C-170	SOLVENT
PU319A	V-19	2"	BALL VALVE	C-170	SOLVENT
P-320	TANK FARM	2"	VALVE (BALL SCREWED)	N-112	NON-CHL
P-321	TANK FARM	2"	HOSE CONNECTION	N-112	NON-CHL
P-323	TANK FARM	2"	VALVE (BALL SCREWED)	K-176	KLN FUEL
P-324	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-176	KLN FUEL
P-325	TANK FARM	2"	HOSE CONNECTION	K-176	KLN FUEL
P-326	PROC AREA	2"	VALVE (BALL SCREWED)	K-176	KLN FUEL
P-327	PROC AREA	1/2"	VALVE (BALL SCREWED)	K-176	KLN FUEL
P-328	PROC AREA	2"	HOSE CONNECTION	K-176	KLN FUEL
P-330	TANK FARM	2"	VALVE (BALL SCREWED)	K-177	KLN FUEL
P-331	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-177	KLN FUEL
P-332	TANK FARM	2"	HOSE CONNECTION	K-177	KLN FUEL
P-333	PROC AREA	2"	VALVE (BALL SCREWED)	K-177	KLN FUEL
P-334	PROC AREA	1/2"	VALVE (BALL SCREWED)	K-177	KLN FUEL
-335	PROC AREA	2"	HOSE CONNECTION	K-177	KLN FUEL
-337	TANK FARM	2"	VALVE (BALL SCREWED)	K-178	KLN FUEL

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 UNITED STATES POLLUTION CONTROL INC.  
 HYDROCARBON RECYCLERS INC. - PROJECT  
 PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
 FD CONTRACT No. 66

TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No. ID No.	PRODUCT or SERVICE
P-338	TANK FARM	1/2"	VALVE (BALL SCREWED)	K-178	KLN FUEL
P-339	TANK FARM	2"	HOSE CONNECTION	K-178	KLN FUEL
P-340	PROC AREA	2"	VALVE (BALL SCREWED)	K-178	KLN FUEL
P-341	PROC AREA	1/2"	VALVE (BALL SCREWED)	K-178	KLN FUEL
P-342	PROC AREA	2"	HOSE CONNECTION	K-178	KLN FUEL
P-345	PROC AREA	4"	FLANGE	K-182	KLN FUEL
P-346	PROC AREA	4"	VALVE (GATE FLANGED)	K-182	KLN FUEL
P-347	PROC AREA	4"	FLANGE	K-182	KLN FUEL
P-348	PROC AREA	6"	VALVE (PLUG - 150 #)	K-181	KLN FUEL
P-349	PROC AREA	6"	FLANGE (150 # - SLIP ON)	K-181	KLN FUEL
P-352	PROC AREA	6"	FLANGE (150 # STRAINER)	K-181	KLN FUEL
P-353	PROC AREA	4"	FLANGE (150 #) PUMP NOZZ	K-181	KLN FUEL
P-354	PROC AREA	4"	VALVE (GATE SCREWED)	K-181	KLN FUEL
P-355	PROC AREA	4"	FLANGE (150 #) PUMP NOZZ	K-153	KLN FUEL
P-356	PROC AREA	4"	VALVE (GATE SCREWED)	K-152	KLN FUEL
358	PROC AREA	1"	VALVE (BALL SCREWED)	K-152	KLN FUEL
-359	PROC AREA	1"	VALVE (BALL SCREWED)	K-181	KLN FUEL
P-361	DISPERSER	1"	BALL VALVE		KLN FUEL
P-362	DISPERSER	3"	BALL VALVE		KLN FUEL



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UNITED STATES POLLUTION CONTROL INC.  
HYDROCARBON RECYCLERS INC. - PROJECT  
PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
FD CONTRACT No. 66

TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP. SHTEQUIP. No. ID No.	PRODUCT or SERVICE
P-363	DISPERSER	3"	HOSE COUPLING		KLN FUEL NON-CHL
P-365	DISPERSER	4"	FLANGE	K-182	KLN-FUEL
P-366	DISPERSER	4"	FLANGE	K-182	KLN-FUEL
P-368	V-24	2"	BALL VALVE		SOLVENT
P-369	V-24	2"	BALL VALVE		SOLVENT
P-371	V-10	2"	BALL VALVE	C-110	CHLORINATED
P-373	TANK FARM	4"	FLANGE	C-165	CHLORINATED
P-374	TANK FARM	4"	FLANGE	C-165	CHLORINATED
P-375	PROC AREA	2"	BALL VALVE	K-151	KLN-FUEL
P-376	PROC AREA	2"	BALL VALVE	K-151	KLN-FUEL
P-377	PROC AREA	2"	BALL VALVE	K-151	KLN-FUEL
P-378	PROC AREA	2"	HOSE CONNECTION	K-151	KLN-FUEL
P-379	PROC AREA	2"	BALL VALVE	K-179	KLN-FUEL
P-380	PROC AREA	1/2"	BALL VALVE	K-179	KLN-FUEL
P-381	PROC AREA	2"	HOSE CONNECTION	K-179	KLN-FUEL
P-383	TANK FARM	2"	BALL VALVE	K-151	KLN-FUEL
P-385	TANK FARM	1"	BALL VALVE	V-17	KLN-FUEL
P-387	COND. RM	8"	HAND CONTROL VALVE	C-172	CHLORINATED
P-388	COND. RM	8"	HAND CONTROL VALVE	C-172	CHLORINATED
P-389	COND. RM	6"	BUTTERFLY VALVE	C-172	CHLORINATED
P-390	COND. RM	3"	HOSE CONNECTION	C-172	CHLORINATED
P-394	SOLV. ROOM	2"	HOSE CONNECTION	N-112	NON-CHL
P-397	COND. RM	3/4"	GATE VALVE	V-24	CHLORINATED
P-398	COND. RM	3/4"	GATE VALVE	V-24	CHLORINATED
P-399	COND. RM	1"	BALL VALVE	V-24	CHLORINATED
P-400	COND. RM	1"	HOSE CONNECTION	V-24	CHLORINATED
P-405	SOLV. ROOM	1"	BALL VALVE	V-11	CHLORINATED
P-406	SOLV. ROOM	2"	BALL VALVE	V-12	CHLORINATED
P-407	SOLV. ROOM	2"	GATE VALVE	V-13	CHLORINATED
P-408	TANK FARM	3"	FLANGE	K-156	KLN-FUEL
P-409	TANK FARM	3"	FLANGE	K-156	KLN-FUEL
P-410	COND. RM	2"	FLANGE	C-101	CHLORINATED
P-411	COND. RM	2"	BALL VALVE	V-18	CHLORINATED
P-412	COND. RM	3/4"	GATE VALVE	V-18	CHLORINATED
P-413	COND. RM	3/4"	GATE VALVE	V-18	CHLORINATED
P-415	PROC AREA	1"	HOSE CONNECTION	K-181	KLN-FUEL
P-416	PROC AREA	1"	HOSE CONNECTION	K-131	KLN-FUEL
P-417	TANK FARM	1"	BALL VALVE	K-151	KLN-FUEL

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UNITED STATES POLLUTION CONTROL INC.  
 HYDROCARBON RECYCLERS INC. - PROJECT  
 PLANT LOCATION: WICHITA

USPCI P. O. No. 90  
 FD CONTRACT No. 66

TAG No.	LOCATION	LINE SIZE INCH	COMPONENT / EQUIPMENT NAME	COMP.		PRODUCT or SERVICE
				SHTEQUIP. No.	ID No.	
P-418	TANK FARM	1"	HOSE CONNECTION	K-151		KLN-FUEL
P-419	TANK FARM	2"	BALL VALVE	K-151		
P-420	PROC AREA	2"	BALL VALVE	K-152		

Hydrocarbon Recyclers, Inc. of Wichita  
RCRA Permit Application  
Section N  
Air Emissions (40 CFR 264 Subparts AA and BB)  
Appendix D - Equipment Lists

Appendix N-D.2 - Piping Line List

## PIPING LINE LIST

Piping line lists have been developed for each HRI plant. These lists are computer generated off of the Autocad P & ID drawings. The lists identify each of the pipe lines that were included in the scope of the work. "Write-On" aluminum tags were attached to each piping component (valves, flanges, in-line devices, fittings, etc) that were installed in the lines. Water, air, utility and other lines carrying non-harmful products are specifically omitted from these lists, even though they may support the process lines that are included in this listing.

The "Line List Form" contains five columns. The information contained in each is as follows:

1. Line Number: The number of the pipe is indicated in this column.
2. Line Size: The diameter of the pipe line - in inches - is shown in this column.
3. Line Service: The service of the line (i.e. product being transported) is indicated in this column. For purposes of this project, the line service is limited to those identified on the "Pipe Line Numbering System" page proceeding this one.
4. From: This column indicates the origin or departure point of the listed pipe line.
5. To: This column indicates the final or destination point of the listed pipe line.

PIPE LINE LIST  
WICHITA

Date: 05/17/93 By: DAS

LINE		SERVICE	FROM	TO
NO.	SIZE			
100	3" 2"	C	TANKS 15A, 15B, 15C, & 15D	LOWER NORTH & SOUTH MANIFOLDS
101	3" 2"	C	CONDENSATE/SEPARATOR	CONDENSATE/SEPARATOR PUMP: DRYER & COND.
102	2" 1" 3/4"	C	CONDENSATE SEPARATOR TRIM	
108	2"	C	FUTURE WATER LINE IN SOLVENT ROOM	TANK FARM
109	4" 3" 2"	N	V-16	LOWER NORTH & SOUTH MANIFOLDS
110	2"	C	V-9 & V-10	LOWER NORTH & SOUTH MANIFOLDS
112	2"	W	V-14	UPPER NORTH & SOUTH MANIFOLDS
113	2"	C	V-13	LOWER NORTH & SOUTH MANIFOLDS
114	2"	C	V-12	LOWER NORTH & SOUTH MANIFOLDS
115	2"	C	V-11	LOWER NORTH & SOUTH MANIFOLDS
130	3"	IWL	SOUTH MANIFOLD	V-8
131	3"	IWL	SOUTH MANIFOLD	V-8
132	2"	N	LOWER NORTH MANIFOLD	
134	2"	K	V-6 DRAIN	
135	2"	K	V-5 DRAIN	
137	1"	IWL	V-8	VENT LINE
138	1"	IWL	V-7	VENT LINE
141	2"	C	V-2	LOWER NORTH MANIFOLD
142	3"		V-1 OUTLET	
143	3"	IWL	V-8 OUTLET	
144	2"	C	V-2 OUTLET	
145		X	V-5	V-6
146	2"	X	V-4	LOWER NORTH MANIFOLD
147	2"	IWL	V-8	LOWER NORTH MANIFOLD
148	2"	X	V-7	LOWER NORTH MANIFOLD
149	2"	N	DEISEL TANK	DEISEL PUMP
150	1/2"	N	DEISEL PUMP & TANK	MIXING VAT AREA
151	6"	K	V-26	K-153
152	6"	K	V-26	K-153
153	4"	K	V-26	VAUGHAN PUMP
155	3" 2" 1/2"	K	V-4	SOUTH MANIFOLD
156	3"	K	V-3	SOUTH MANIFOLD
157	3"	K	V-7	SOUTH MANIFOLD
169	2"	C	DRYER	PORTABLE FILTER
170	2"	C	PORTABLE FILTER	EXCHANGER



PIPE LINE LIST  
WICHITA

Date: 05/17/93 By: DAS

LINE		SERVICE	FROM	TO
NO.	SIZE			
171	8"	C	PICK UP HOODS	BLOWER
172	8"	C	GRANULATOR	BLOWER
173	8"	C	BLOWER	CYCLONE
176	2"	K	NORTH MANIFOLD	PROCESS AREA
177	2"	K	NORTH MANIFOLD	PROCESS AREA
178	2"	K	NORTH MANIFOLD	PROCESS AREA
179	2"	K	PROCESS AREA	V-26
181	6"	K	V-26	DISPERSER
182	4"	K	V-26	DISPERSER

Hydrocarbon Recyclers, Inc. of Wichita  
RCRA Permit Application  
Section N  
Air Emissions (40 CFR 264 Subparts AA and BB)  
Appendix D - Equipment Lists

Appendix N-D.3 - Equipment Data Sheets

May 18, 1993  
Revision No. 5

## EQUIPMENT DATA SHEETS

The equipment Data Sheets are used to identify, catalog and document that equipment which requires emission test monitoring. This set of "Equipment Data Sheets" is arranged first by process area or unit, then by equipment type and finally in "M-xxx" Tag number sequence. Their are 7 data columns and their uses are as follows:

1. Tag Number: This is the number of the aluminum write-on tag that Flour Daniel personnel attached to each piece of equipment. As mentioned earlier mechanical tags are assigned an "M" prefix. It is also important to note that there were some cases - for reasons of safety - when Flour Daniel people could not safely reach an equipment trim device even though it was recognized it should be tagged and tested. In these cases, a "U" suffix has been assigned to the tag number (i.e. "M-xxxU"). This means that Flour Daniel personnel were Unable to attach a tag.
2. Location: The location column is used to identify the location the equipment tag can be found. Generally this will either be "Tank Top" or "Ground Level".
3. Component/Equipment Name: This column gives the name of the listed equipment item.
4. Component/Equipment number: This column gives the equipment number.
5. Unit Process System: Data in this column identifies the "Processing Unit" the component is servicing or is in associated with.
6. P & ID Drawing Reference Number: This column references the drawing number of the P & ID on which the specific equipment item is shown.
7. Vendor / Fabricator: This column identifies the name of the company that fabricated the item of equipment listed. In the case of storage tanks and vessels, Flour daniel personnel could not find equipment name tags attached to the tank or vessel and consequently the data appearing in this column is N/A or Not Available. Pumps and other rotating equipment were the few equipment items on which name plates could be found.

UNITED STATES POLLUTION CONTROL INC.  
HYDROCARBON RECYCLERS INC. - PROJECT

EQUIPMENT DATA SHEET - WICHITA

PLANT LOCATION: WICHITA

FD CONTRACT No. 665300

TAG No.	LOCATION	COMPONENT / EQUIPMENT NAME	COMP. EQUIP. ID No.	UNIT PROCESS SYSTEM	P & ID REF. DWG.	VENDOR / FABRICATOR
M-01	GRND LVL	CONDEN SEPARATOR PUMP	P-1	GRIND RM	W404A	GRUNDFOSS
M-02	GRND LVL	CONDEN SEPARATOR TANK	V-18	GRIND RM	W404A	
M-16	UPPER LVL	SOLV STORE TANK	V-9	SOL STOR	W404D	
M-17	UPPER LVL	SOLV STORE TANK	V-10	SOL STOR	W404D	
M-18	UPPER LVL	SOLV STORE TANK	V-11	SOL STOR	W404D	
M-19	UPPER LVL	SOLV STORE TANK	V-12	SOL STOR	W404D	
M-20	UPPER LVL	SOLV STORE TANK	V-13	SOL STOR	W404D	
M-21	UPPER LVL	SOLV STORE TANK	V-14	SOL STOR	W404D	
M-22	UPPER LVL	SOLV STORE TANK	V-15 A	SOL STOR	W404E	
M-23	GRND LVL	MANIFOLD TXFER PUMP	P-4	TNK FARM	W404H	VAUGHN
M-24	GRND LVL	GASOLINE STORAGE TANK	V-17	SOL STOR	W404F	
M-25	GRND LVL	DIESEL INJECTION PUMP	P-11	DRUM PROC	W404F	CAT
M-28	GRND LVL	PORTBL DIAPHM TXR PUMP	P-6	DRUM PROC	W404F	ROPER
M-29	GRND LVL	PORTBL DIAPHM TXR PUMP	P-7	DRUM PROC	W404F	ROPER
M-30	GRND LVL	PORTBL DIAPHM TXR PUMP	P-8	DRUM PROC	W404F	ROPER
M-31	TANK TOP	WASTE WATER	V-1	TNK FARM	W404G	STECO
M-32	TANK TOP	CHLOR RECYCLE SOLVENT	V-2	TNK FARM	W404G	STECO
M-33	TANK TOP	KILN FUEL TANK	V-3	TNK FARM	W404G	STECO
M-34	TANK TOP	KILN FUEL TANK	V-4	TNK FARM	W404G	STECO
M-35	TANK TOP	KILN FUEL TANK	V-5	TNK FARM	W404H	STECO
-36	TANK TOP	KILN FUEL TANK	V-6	TNK FARM	W404H	
M-37	TANK TOP	KILN FUEL TANK	V-7	TNK FARM	W404H	
M-38	TANK TOP	INCINERATION WASTE LIQUID	V-8	TNK FARM	W404H	
M-39	GRND LVL	PORTBL DIAPHM TXR PUMP	P-9	DRUM PROC	W404F	
M-40	GRND LVL	PORTBL DIAPHM TXR PUMP	P-10	DRUM PROC	W404F	ROPER
M-41	UPPER LVL	SOLV STORE TANK	V-15 B	SOL STOR	W404E	ROPER
M-42	UPPER LVL	SOLV STORE TANK	V-15 C	SOL STOR	W404E	
M-43	UPPER LVL	SOLV STORE TANK	V-15 D	SOL STOR	W404E	
M-44	UPPER LVL	SOLV STORE TANK	V-16	SOL STOR	W404E	
M-45	GRND LVL	STEAM DRYER	V-19	GRIND RM	W404A	
M-46	GRND LVL	SHREDDER	V-20	GRIND RM	W404A	VAUGHN
M-47	GRND LVL	GRANULATOR	V-21	GRIND RM	W404A	
M-48	GRND LVL	CYCLONE	V-23	GRIND RM	W404A	
M-49	GRND LVL	BAGHOUSE	V-22	GRIND RM	W404A	
M-50	GRND LVL	COLLECTION TANK	V-24	GRIND RM	W404A	
M-51	GRND LVL	EXHAUST FAN	P-12	GRIND RM	W404A	VAUGHN
M-52	GRND LVL	SCREW CONVEYOR	CV-1	GRIND RM	W404A	
M-53	GRND LVL	CONDEN SEP. (DUP.M-02)	V-18	GRIND RM	W404A	
M-54	GRND LVL	PUMP (DUP.M-01)	P-18	GRIND RM	W404A	
M-55	GRND LVL	EXCHANGER	E-1	GRIND RM	W404A	
M-56	GRND LVL	GRINDING PUMP	P-5A	DRUM PROC	W404F	VAUGHN
M-58	GRND LVL	GRINDING PUMP	P-5	DRUM PROC	W404F	
M-62	GRND LVL	SCREW CONVEYOR	CV-2	GRIND RM	W404A	ING RAND
M-66	GRND LVL	CENTRIFUGAL PUMP	P-28	TNK FARM	W510.1	
M-67	GRND LVL	PORTBL DIAPHM TXR PUMP	P-32	DRUM PRO	W404F	SANDPIPER
M-68	GRND LVL	PORTBL DIAPHM TXR PUMP	P-29	DRUN PRO	W404F	WILDEN
-69	GRND LVL	PORTBL DIAPHM TXR PUMP	P-30	DRUN PRO	W404F	WILDEN
-70	GRND LVL	PORTBL DIAPHM TXR PUMP	P-31	DRUN PRO	W404F	ARO

N-D.3-2

TAGS M02 & M53 ARE THE SAME PIECE OF EQUIPMENT. TAGS M01 & M54 ARE THE SAME PIECE OF EQUIPMENT

Hydrocarbon Recyclers, Inc. of Wichita  
RCRA Permit Application  
Section N  
Air Emissions (40 CFR 264 Subparts AA and BB)  
Appendix D - Equipment Lists

Appendix N-D.4 - Location of Equipment Monitoring Points

May 18, 1993  
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LOCATION OF EQUIPMENT MONITORING POINTS  
Wichita Plant Only

This "Equipment Monitoring Location List" was developed for use at HRI's Wichita plant. Its purpose is to identify by location potential leak or emission points for the listed tanks. This list is in lieu of attaching an aluminum "Write-On Tag" as was done at the San Antonio plant.

The form contains eleven columns which are used as follows:

1. Tank Number: The tank identification number is shown in this column.
2. Tank Location: The process area location of the tank is provided in this column.
3. Contents / Service: The contents that the tank is normally expected to hold are listed in this column.
4. Location on Tank of Potential Leak Points:  
thru 9. A number is listed in the applicable location column to indicate the number of potential leak points that exist for that particular location on the tank.
10. Total: This column contains the total sum of all potential leak points that exist for the listed tank.
11. Comments: Special remarks pertaining to the tank are listed in this column.

UNITED STATES POLLUTION CONTROL INC.  
HYDROCARBON RECYCLERS INC. - PROJECT

EQUIPMENT MONITORING POINTS

PLANT LOCATION: WICHITA

PLANT LOCATION: WICHITA			NUMBER OF MONITOR POINT							COMMENTS
TANK No.	LOCATION	CONTENTS/ SERVICE	TOP	BOTTOM	NORTH	EAST	SOUTH	WEST	TOTAL	
V-01	K.F. STORE	WASTE WATER	6				1	1	1	9
V-02	K.F. STORE	CHLOR RECYCLE SOLVENT	6				1	1		8
V-03	K.F. STORE	KILN FUEL	3				2	1	5	11
V-04	K.F. STORE	KILN FUEL	6	1			1		1	9
V-05	K.F. STORE	KILN FUEL	6		1		1	1	1	10
V-06	K.F. STORE	KILN FUEL	6					1	1	8
V-07	K.F. STORE	KILN FUEL	6		1		1		1	9
V-08	K.F. STORE	INCINERTR WASTE LIQUIDS	6	1	1		1		1	10
V-09	SOLV STORE	CHLORINATED SOLVENTS	3	2						5
V-10	SOLV STORE	CHLORINATED SOLVENTS	3	3						6
V-11	SOLV STORE	CHLORINATED SOLVENTS	3	2						5
V-12	SOLV STORE	CHLORINATED SOLVENTS	3	3						6
V-13	SOLV STORE	CHLORINATED SOLVENTS	4	3						7
V-14	SOLV STORE	NON-CHLORINATED SOLVENTS	4	3						7
V-15 A	SOLV STORE	WASTE OIL	3	1	2					6
V-15 B	SOLV STORE	WASTE OIL	2	1	2					5
V-15 C	SOLV STORE	WASTE OIL	2	1	2					5
V-15 D	SOLV STORE	WASTE OIL	2	1	2					5
V-16	SOLV STORE	WASTE WATER		3						3
V-17	SOLV STORE	GASOLINE TANK	2				2		1	5
V-26	PROCESS	KILN FUEL					3		1	4
										143

UNITED STATES POLLUTION CONTROL INC.  
HYDROCARBON RECYCLERS INC

WICHITA EQUIPMENT TRIM

DATE: 17 MAY 93

PLANT LOCATION: WICHITA

PREPARED BY: DAS

EQUIP No.	EQUIPMENT NAME	AREA UNIT	ACCESS HOLES		INSTRUMENTATION						SAFTY	VALVES			VENT	PLUG	BLND FLNG	NZLE	OTHR	TOTAL	COMMENTS
			MAN	HAND	TEMP	PRES	LEVL	SGHT	FLOW	OTHR		DRAIN	CONV	OTHER							
V-19	STEAM DRYER	GRIND RM			2						2	2		2				5		13	
V-20	SHREDDER	GRIND RM																	1	1	
V-21	GRINDER	GRIND RM																	2	2	
V-23	CYCLONE	GRIND RM																2	1	3	
V-22	BAGHOUSE	GRIND RM																1		1	
V-24	COLLECTION TANK	GRIND RM		1												2		2		5	
P-12	BLOWER	GRIND RM																2		2	
V-25	SCREW CONVEYOR	GRIND RM												1					2	3	
V-18	CONDENSATE SEPARATOR	GRIND RM		1	1	2	1				1	3	1		1			3		14	
P-13	PUMP																	2		2	
E-1	EXCHANGER				1													4		5	

N-D.4-3



Hydrocarbon Recyclers, Inc. of Wichita

RCRA Permit Application

Section N

Air Emissions (40 CFR 264 Subparts AA and BB)

Appendix E - Equipment Designated As No Detectable Emissions

Appendix N-E - Equipment Designated As No Detectable Emissions

May 18, 1993  
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Be it known that I, as the designated authorizing individual for USPCI Hydrocarbon Recovery Services, Inc. of Wichita, have designated the following pumps as meeting the criteria from 40 CFR Part 265.1052, paragraphs (e)(1) through (3). These pumps are eligible for the exemption from the monthly monitoring required of pumps in light liquid hazardous waste service and will be monitored on an annual basis and when leaks become visually apparent.

Stephen M. Heiter  
Name

5/12/93  
Date

<u>Pump Identification No.</u>	<u>Type and Description</u>
M - 28	Pneumatic #P-6
M - 29	Pneumatic #P-7
M - 30	Pneumatic #P-8
M - 39	Pneumatic #P-9
M - 40	Pneumatic #P-10
M - 67	Pneumatic #P-32
M - 68	Pneumatic #P-29
M - 69	Pneumatic #P-30
M - 70	Pneumatic #P-31